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		OTHER DOCUMENT	S (Including	g Au	thor, Title, Date, Pertinent Pages	, Etc.)						
BL	F	Anderson, W.F. (1992) Science 256:808-813										
	EG	Friedman, T. (1992) Nat. Genetics 2:93-98										
	머	Williams, R.S. (1993) Am. J. Med. Sci. 306:129-136										
	EI	Hockel et al. (1993) Arch. Surg. 128:423-429										
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BL	EB		10,693		B1	Eriksson et al.		11-24-1999				
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ph	ED	ΑU	AU-B-7012		L	Genentech, Inc.	n, Inc. 09-30-1999					
	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS											
Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city												
						and/or country where published.						
GL EE ANDERSSON W.F., "Human gene the						., "Human gene the						
		EF	FRIEDM	FRIEDMAN, T., "A brief history of gene therapy," Nat. Genetics, 2:93-98 (1992).								
		EG	WILLIA	WILLIAMS, R.S. "Southwestern internal medicine conference: prospects for gene therapy of								
	_1	ischemic heart disease," Am. J. Med. Sci., 306(2): 129-136 (1993).								ı		
T		EH	HOCKE	HOCKEL et al., "Therapeutic angiogenesis," Arch. Surg., 128:423-429 (1993).								
	1	EI	GUZMA	GUZMAN et al. "Efficient gene transfer into myocardium by direct injection of adenovirus								
			vectors,"	vectors," Circ. Res., 73:1202-1207 (1993).								
		EJ										
	- 1		Smaller I	learts,	Dys:	functional Coronai	y Vasculatur	e, and Impaire	d Rec	overy From Cardiac		
			Ischemia,	Ischemia," Circ. Research, 89(2): e29-e35 (2000).								
1		EK	COCKE	COCKERILL et al., "Angiogenesis: Models and Modulators" Intl. Rev. Cytology, 159:113-160								
	$\perp$		(1995).									
- 1	1	EL	GAMBL	E et al	., "R	egulation of In Vit	ro Capillary	Tube Formatio	n by A	Anti-Integrin Antibodies	," J.	
				Cell. Bio., 121(4): 931-943 (1993).								
		EM		GOLDSPIEL et al., "Human Gene Therapy," Clinical Pharmacy, 12: 488-505 (1993).								
1	EN GRIMMOND et al., "Cloning and Characterization of a Novel Human Gene Related to Vascular									<u>-</u>		
٧	$\perp$	_	Endotheli	al Gro	wth	Factor," Genome I	Research, 6:1	<u>24-131 (1996)</u>	).		_	
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BC HYDE et al., "Correction o therapy." Nature, 362: 250-					ction of the ion tra	nsport defect	t in cystic fibro	sis tra	insgenic mice by gene	_1-		
	EP KAY et al., "In Vivo Gene Therapy of						Hemophilia B: Sustained Partial Correction in Factor IX-					
Be								ed Gene Transfer into E	22+			
17			Hepatocytes in Vivo," Somatic Cell and Molecular Genetics, 19(5): 491-497 (1993)								ļ	
	_	ER	LITWIN	LITWIN et al., "Role of Cytokines in Endothelial Cell Functions," Human Cytokines, 101-129.								
BA	4	ES	SHIBUY kinase ge	SHIBUYA et al., "Nucleotide sequence and expression of a novel human receptor-type tyrosine kinase gene (flt) closely related to the fms family," Oncogene, 519-524 (1990).								
BL		ET	SILINS et al., "Analysis of the Promoter Region of the Human VEGF-Related Factor Gene,"  Biochem. Biophys. Res. Comm., 230: 413-418 (1997).									
BL		EU	STEWART et al., "Insulin delivery by somatic cell gene therapy." J of Mol. Endocrinology 11:									
BL		EV	TOWNSON et al., "Characterization of the Murine VEGF-Related Factor Gene,"									
	#	₽₩	Biochem. & Biophys. Res. Comms., 220: 922-928 (1996).									
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